

Shuffle eight cards, and lay them on the grid in the spaces marked "property card". Your challenge is to draw a quadrilateral in each square, so that the quadrilateral has both the properties at the top of the column and at the start of the row. There might be some that aren't possible! If you like, you could play this with a friend, taking turns to draw shapes. If you can't draw a shape, pass and see whether your partner can. The winner is the one who draws the last shape.

	Property card	Property card	Property card	Property card
Property card				
Property card				
Property card				
Property card				

Now you've had a go at the challenge, here are some questions you could think about. Use the quadrilateral cards for these questions.

- Can you select 8 cards and arrange them so that you can fill in all of the squares? What cards did you use? What about none of the squares?
- What's the smallest number of different shapes you need to fill in the grid? What shapes are these, and what cards did you use?